

# **Task - 7**

## **Program 1:**

```
import java.sql.*;
public class ProductInsertion {
    static final String JDBC_DRIVER = "com.mysql.jdbc.Driver";
    static final String DB_URL = "jdbc:mysql://localhost/your_database";
    static final String USER = "username";
    static final String PASS = "password";
    public static void main(String[] args) {
        Connection conn = null;
        Statement stmt = null;
        try {
            Class.forName(JDBC_DRIVER);
            conn = DriverManager.getConnection(DB_URL, USER, PASS);
            stmt = conn.createStatement();
            String sql = "INSERT INTO Products (product_name, price) VALUES ('New Product', 10.99)";
            stmt.executeUpdate(sql);
            System.out.println("Product inserted successfully.");
            stmt.close();
            conn.close();
        } catch (SQLException se) {
            se.printStackTrace();
        } catch (Exception e) {
            e.printStackTrace();
        } finally {
            try {
                if (stmt != null) stmt.close();
            } catch (SQLException se2) {
            }
            try {
                if (conn != null) conn.close();
            } catch (SQLException se) {
                se.printStackTrace();
            }
        }
    }
}
```

```
}  
}  
}  
}  
CREATE TRIGGER update_last_modified  
AFTER INSERT ON Products  
FOR EACH ROW  
BEGIN  
  UPDATE Product_Metadata  
  SET LastModified = NOW()  
  WHERE product_id = NEW.product_id;  
END;
```